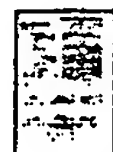
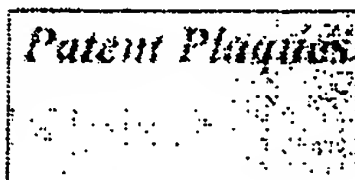




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## JP3097440A2: ENDOSCOPE FOR FLUORESCENT OBSERVATION

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Country: **JP** Japan

Kind:

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Applicant(s): **OLYMPUS OPTICAL CO LTD**  
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Issued/Filed Dates: **April 23, 1991 / Sept. 8, 1989**

Application Number: **JP1989000234332**

IPC Class: **A61B 5/00; A61B 1/00;**

Abstract: **Purpose:** To remove influence of a reflex beam of an exciting light at an object to be inspected with a simple constitution and sense the fluorescence distinctly by irradiating the object containing fluorescent agent with the exciting light intermittently, and commencing exposure of a photographing means after finish of this intermittent irradiation.

**Constitution:** In the case of fluorescent observation, a changeover means changes over the motion of a clock driver 24, and a lamp 21 is lighted up to change the light amount. Also the motion of a driver path 31 is changed over by changeover means, and signal electric charges are accumulated during the irradiating time with B-flash light. The signal electric charges are transmitted at the same time as finish of irradiation, and are read at a high speed. After completion of this transfer, or in parallel with it, signal electric charges are again accumulated prior to irradiation of G-illumination light. At this time, there is no reflex beam of B-flash light at the location to be inspected, and only phosphorescent light and/or delayed fluorescent light emitted by the excited fluorescent agent are received by a CCD 16. Prior to irradiation with the G-illumination light, its signal electric charges are transmitted and

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